



KABA®

Product facts PSS Public Systems & Solutions

Solutions for the organized entry and exit of visitors
in public and private leisure facilities.

Full-height turnstiles

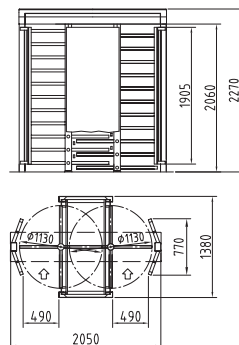
Basic equipment

FTS-L01



Construction	portal width	2050
	total height	2270
	total height with optional roof D1	2390
	total height with optional roof D2	-
	total height with optional roof D3	-
	passage height	2060
	passage width	490
	portal and housing	steel
	lockable maintenance opening	aluminium
	rotating unit with tubular column Ø 89 mm	90°, each door wing with 11 crossbars made of stainless steel AISI 304 Ø 40 mm with black plastic covering caps
	barrier element	made of steel in the centerpiece, encased with stainless steel satin finish
	entry/exit enclosure	with stainless steel bars
	special feature	double unit, particularly space-efficient thanks to the intermeshing rotating units
Finish	rotating unit in stainless steel glossy, steel elements hot-dip galvanized, aluminium elements in RAL 9006	
Function	type 0 *	
	type 1.1 **	
	type 1.1 ***	
	type 1.2 ****	
	type 2 *****	
Electrical components	control system integrated in the unit	
	power supply 110-230 VAC, 50/60 Hz	
Installation	on finished floor level FFL	
Protection class	housing IP 33, components conducting supply voltage IP 43	

- * type 0 manual motion; mechanically free in one direction/
opposite direction blocked
- ** type 1.1 with power supply and micro-switch, bolt control unit
provided by customer, optionally with relay
- *** type 1.1 manual motion; 1 direction electrically controlled/
opposite direction blocked
- **** type 1.2 manual motion; electrically controlled in both directions
- ***** type 2 power assisted motion; servo-positioning drive/
electrically controlled in both directions



Full-height turnstiles

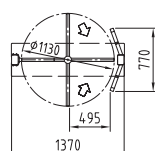
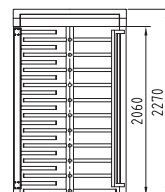
Basic equipment

FTS-L04



Construction	width	1370
	total height	2270
	total height with optional roof D1	2390
	total height with optional roof D2	2420
	total height with optional roof D3	2420
	passage height	2060
	passage width	490
	portal and housing	steel
	lockable maintenance opening	aluminium
	rotating unit with tubular column Ø 89 mm	90°, each door wing with 11 straight crossbars made of stainless steel AISI 304 Ø 40 mm with black plastic covering caps
	barrier element	with 11 straight steel crossbars Ø 40 mm
	entry/exit enclosure	with steel bars
	additional function	-
Finish	rotating unit in stainless steel glossy, steel elements hot-dip galvanized, aluminium elements in RAL 9006	
Function	type 0 * type 1.1 ** type 1.1 *** type 1.2 **** type 2 *****	
Electrical components	control system integrated in the unit power supply 110-230 VAC, 50/60 Hz standby power consumption 20 VA	
Installation	in sleeve foundation measurement X = 150 mm	
Protection class	housing IP 33, components conducting supply voltage IP 43	

- * type 0 manual motion; mechanically free in one direction/ opposite direction blocked
- ** type 1.1 with power supply and micro-switch, bolt control unit provided by customer, optionally with relay
- *** type 1.1 manual motion; 1 direction electrically controlled/ opposite direction blocked
- **** type 1.2 manual motion; electrically controlled in both directions
- ***** type 2 power assisted motion; servo-positioning drive/ electrically controlled in both directions



All dimensions in mm

Optional roofs for FTS turnstiles

	FTS-L01	FTS-L02	FTS-L03	FTS-L04
Roof D1 - depth 1500 or 2270 (total height 130 mm)				
width				
1650			•	
2720	•			
Roof D2 and Roof D3 - depth 2820, 3740 (each with roof edge 200) or 4650 (roof edge 400)				
width				
1830				•

Roofing for weather protection and invalid entry prevention

Roof D1

Steel sub-construction hot-dip galvanized, trapezoidal cover plate in RAL 9002 (optional RAL powder coated).
For multiple units we deliver one oversized roof.
For four units or more a central water drainage is required.
The distance between units is 50 mm.

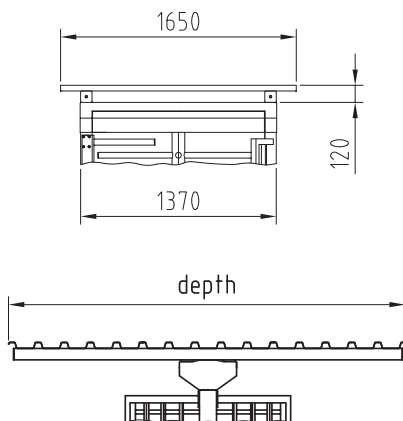
Roof D2

Steel sub-construction hot-dip galvanized, trapezoidal cover plate in RAL 9002 (optional RAL powder coated).
With roof edge silver anodized and water drainage in PVC grey.
From depth 3740 on, the unit has to be installed in sleeve foundation and be equipped with reinforced posts.
For multiple units we deliver one oversized roof.
The distance between units is 50 mm.
The fascia is continuous. Its length is max. 6,4 m.

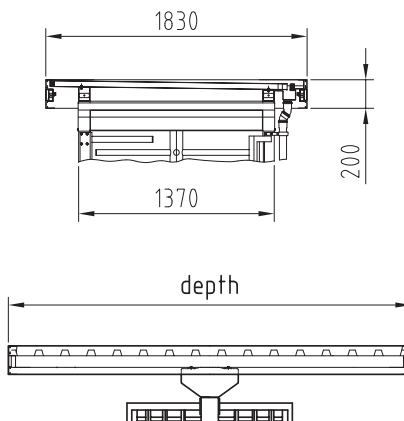
Roof D3

Steel sub-construction hot-dip galvanized, trapezoidal cover plate in RAL 9002 (optional RAL powder coated).
With roof edge silver anodized and water drainage in PVC grey.
Roof underneath aluminium panelling in lotus white.
From depth 3740 on, the unit has to be installed in sleeve foundation and be equipped with reinforced posts.
For multiple units we deliver one oversized roof.
The distance between units is 50 mm.
The fascia is continuous. Its length is max. 6,4 m.

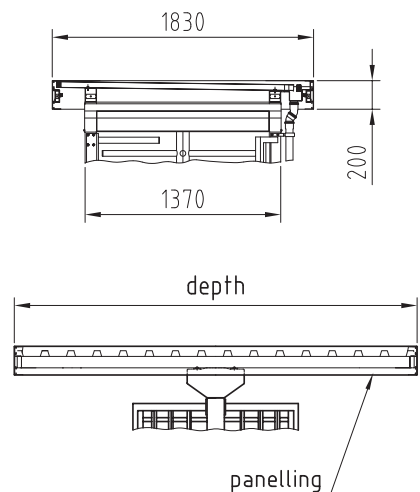
Roof D1 - with trapezoidal cover plate



Roof D2 - with trapezoidal cover plate, roof edge profile and water drainage



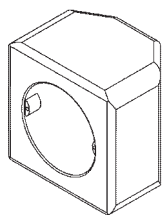
Roof D3 - with trapezoidal cover plate, roof edge profile, panelling and water drainage



Options for FTS turnstiles, depending on unit type and motor assembly

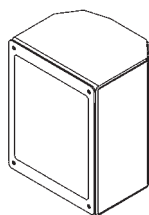
	FTS-L01	FTS-L02	FTS-L03	FTS-L04
Construction				
• rectangular barrier element in RAL or AISI 304				•
• roofs D1, D2, and D3. Versions depending on unit type: steel subconstruction and aluminium roof edge 200 or 400 and hot-dip galvanized trapezoidal plate, complete RAL powder coating. The water drainage can be in stainless steel or powder coated in a RAL colour instead of grey.	•			•
• entry restriction possible with additional brackets on the bars	•	•		•
• rotating unit 120° instead of 90°	•	•		•
• rotating unit in stainless steel AISI 316 or stainless steel AISI 304 additional RAL powder coating	•	•	•	•
• each direction unlockable by turning lever with profile half cylinder, installed in maintenance opening	•	•		•
• mechanical lock in stainless steel to mount on crossbar of turnstile column, incl. locking plate	•		•	•
Finish				
• portal, housing, enclosure and turnstile all fully in stainless steel AISI 304, glossy finish	•	•	•	•
• steel and aluminium parts: additional RAL powder coating	•	•	•	•
Function				
• counter	•	•	•	•
• random generator with or without horn	•	•		•
Electrical components				
• power supply outlet to supply external nodes, 24 VDC / 1A	•	•		•
• uninterrupted power supply, approx. 70 min for 100% load installed in separate room				•
• installation preparation on plane surface as rectangular cut-out for components provided by customer	•	•		•
• different consoles in plastic or aluminium in colour of unit or in RAL 9006/front panels of aluminium consoles available in plastic or stainless steel	•			•
• coin-acceptor and coins	•	•		•
• push-button for manual single release, integrated in plane surface and thus protected against vandalism	•	•		•
• electro key switch for single or permanent release	•	•		•
• relay for type 1.1	•	•		•
• operating panels with frame or housing for surface installation	•	•		•
• additional boards to expand the existing in-/outputs for motor assembly type 2	•	•		•
• miscellaneous signal devices	•	•		•
• end wiring distributor to connect a maximum of four OPLs	•	•		•
• various lightings and twilight switch				•
• sensor for presence identification				•
Installation				
• installation on finished floor level, measurement X = 0			•	•
• installation on structural floor level, measurement X = 150	•	•	•	•
• installation on structural floor level with special measurement X < 200 mm (possible roof installation to the depth of 2820 mm)	•	•	•	•
• installation in sleeve foundation, measurement X = 150	•			

Console 1
plastic in colour
of unit or in
RAL 9006



width 94 mm
height 94 mm
depth 65 mm

Console 2
aluminium in colour
of unit or in
RAL 9006
front panels in PVC
grey or aluminium
RAL 9006



width 140 mm
height 180 mm
depth 110 mm

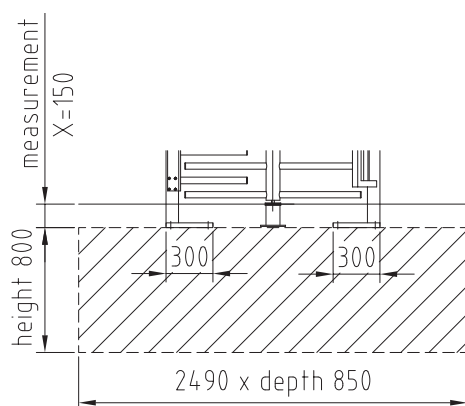
Console 3
aluminium in colour
of unit or in
RAL 9006
front panels in PVC
grey or aluminium
RAL 9006



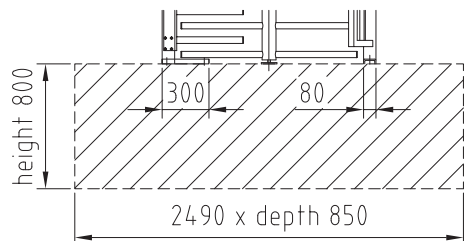
width 140 mm
height 365 mm
depth 110 mm

Installation alternatives, for instance FTS-L04

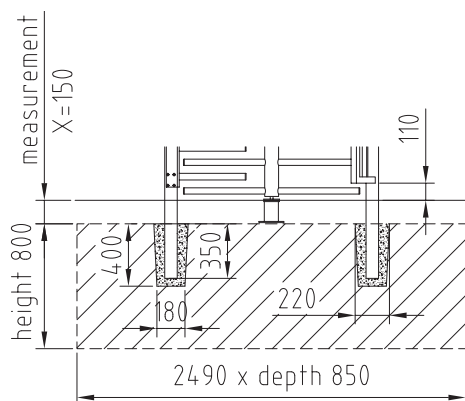
structural floor



finished floor



sleeve foundation





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